



**TUDOR**

## Metadata and Registers (30MR)

Chair: Phil Tudor

Co-chair: Paul Treleven

The scope of TC-30MR covers the definition and implementation of the SMPTE Registration Authority, used to identify digital assets and associated metadata; additionally, the common definition of metadata semantic meaning across multiple committees.

The committee's first plenary meeting was held during the Redmond round on June 19, 2008, and included the following important steps listed in the next section.



**TRELEAVEN**

### Creation of Standing Working Groups

The meeting approved the establishment of the following working groups:

#### 30.10 Metadata Definition WG

This WG will oversee the projects for maintaining the contents of SMPTE metadata registers, including:

- Metadata dictionary RP 210
- Labels register RP 224
- Groups register RP 2009
- Types register RP 2044

#### 30.20 Metadata Structure WG

This WG will oversee the projects for maintaining the SMPTE metadata registers' controlling documents, including:

- Metadata dictionary structure SMPTE 335
- Labels register structure SMPTE 400
- Groups register structure SMPTE 395
- Types register structure SMPTE 2003
- Controlled vocabulary structure

It will also oversee projects for XML formats for registers and attempts to harmonize them:

- Registry XML Interchange Format
- XML Encoding of UL-based Registries

#### 30.30 ExCCI WG

This working group will develop the multipart ExCCI standard SMPTE 2040.

### Establishment and Review of TC-30MR Projects

The following projects were approved for adoption by the committee:

**Metadata Dictionary RP 210 Revision (Broome)**

**Labels Register RP 224 Revision (Wilkinson)**

**Groups Register RP 2009 (Tudor)**

**Types Register RP 2044 (Tudor)**

These four projects allow the addition, modification, and deprecation of metadata contents in each of the four registers.

### Naming Guidelines (Broome)

This project is defining recommended practices for metadata item naming.

### Metadata Dictionary Structure SMPTE 335 Revision (Beard)

### Groups Register Structure SMPTE 395 Revision (Höntschi)

### Types Register Structure SMPTE 2003 (Beard)

The first two projects are revisions to the controlling documents for these existing registers. The third project is a new controlling document for the Types register. The controlling document for the Labels register is SMPTE 400; it is not currently being revised.

### Controlled Vocabulary Structure (Broome)

### Controlled Vocabulary Contents (Broome)

This project will create a controlling document for a new register of controlled vocabulary (i.e., standardized terms used as metadata values).

### Common Core Metadata (Broome)

This is a new project, approved during the Redmond meeting round. It will

be a study group to examine problems such as redundancies, insufficient data definition, continual reinvention, some standard controlled vocabularies and the need for standard representation of most commonly used data elements.

### Registry XML Interchange Format (Morgan)

### XML Encoding of UL-based Registries (Höntschi)

These two projects define ways to publish registers using XML. The first project is also known by the acronym RXI; the second project is known by the acronym RIF. There have been efforts to harmonize these approaches, but it was agreed at the Redmond meeting that the two documents would both proceed to final committee draft (FCD) ballot.

### Extended Content Control Information—ExCCI Draft SMPTE 2040 (Weiss)

This standard will define the carriage of an extended content control packet within the professional space. A draft of Part 1: *Semantics* is almost ready for FCD ballot and Part 2: *Syntax* is anticipated. It is possible that Part 3: *XML representation* will be developed.

### UMID Application—RP 205 Revision (Wilkinson)

This project picks up work that got to Standards Committee Audit a couple

of years ago and needs some comment resolution. It is probable that, with the passage of time, it will also need updating.

### Universal Resource Names SMPTE 2029 Amendment (Edwards)

SMPTE recently achieved registration of the Universal Resource Name urn:SMPTE. This amendment specifies an extension of this syntax for use with unique material identifiers (UMIDs).

### Universal Labels—SMPTE 298 Revision (Weiss)

This document has been revised and now includes reference to the urn:SMPTE form of the identifier. Comment resolution is in progress before the document can be submitted for DP elevation.

### Administrative Guideline on Register Management AHG (Weiss)

About 18 months ago, SMPTE withdrew the concept of Dynamic Documents (as specified in SMPTE 359), preferring the concept that a document may have several elements, which may include registers. At the time, an engineering guideline (EG) for the management of dynamic documents was being prepared, and some of the content can now be repurposed as an AG for Register Management.

**PHIL TUDOR** is a senior engineer at the British Broadcasting Corporation's (BBC's) Research Department at Kingswood Warren, Surrey, U.K. He studied electrical and information sciences at Cambridge University, graduating in 1990. Tudor's technical background includes video compression algorithm development, MPEG-2 standardization, and the development of Advanced Authoring Format (AAF) and Material exchange Format (MXF) standard file formats for use in tapeless production.

Tudor's current work areas include file format standardization, metadata interoperability, and the application of new standards in advanced television production systems. He is a board member and the engineering chair of the Advanced Media Workflow Association. Tudor is a chartered engineer and a member of the Institution of Engineering and Technology (IET) and SMPTE.

**PAUL TRELEAVEN** obtained a First Class Honors Degree in electrical engineering from Imperial College, London, in 1972. He started his

career in broadcast engineering at BBC Designs Department, working on projects on vertical interval control data, an OB video switcher, and video synchronization equipment. He designed the interpolation system for the BBC's "ACE" four-field standards converter.

In 1979, Treleven co-founded Avitel, a company that designs and manufactures video, audio, and timecode distribution and processing equipment. He continued with Avitel as technical director until 2001.

Treleven is a member of the International Association of Broadcasting Manufacturers' (IABMs) Technical Task Group. He represents the IABM at SMPTE standards meetings, the Audio Engineering Society (AES) standards meetings, and Asia-Pacific Broadcasting Union (ABU) technology committee meetings. He is also a member of the U.K.'s National Standards Body for International Electrotechnical Commission (IEC) TC 100. Treleven has been a long-standing member of SMPTE. He was Chair of the Technology Committee on Television Audio from 2006 to 2008.